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ROHM AND HAAS COMPANYCORPORATE HEALTH AND SAFETY
INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19105EMERGENCY TELEPHONE
215-592-3000 (ROHM AND HAAS)
800-424-9300 (CHEMTREC)

HAZARD RATING		Fire	Reactivity
4 = EXTREME	3 = HIGH	2 = MODERATE	1 = SLIGHT
0 = INSIGNIFICANT	* = CHRONIC HEALTH HAZARD - SEE SECTION IV		

Toxicity: 0
Special: 0

MATERIAL SAFETY DATA SHEET

LIST 6

MATERIAL

PLEXIGLAS® VS PELLETS IG 100 Molding Powder

CODE

KEY

FREIGHT CLASSIFICATION

31712

902861-5

DATE ISSUED

12/07/81

FORMULA

CHEMICAL NAME OR SYNONYMS

Acrylic molding pellets

(I - INGREDIENTS)Acrylic polymer
Monomers

WEIGHT %

TWA/TLV

100
Trace**(II - PHYSICAL DATA)**

APPEARANCE - ODOR - pH.

Colorless pellets about 1/8" long; no odor

VISCOSITY

NA

MELTING OR FREEZING POINT

BOILING POINT

VAPOR PRESSURE (mm Hg)

VAPOR DENSITY (AIR = 1)

270F flow temp.

NA

NA

NA

SOLUBILITY IN WATER

PERCENT VOLATILE (BY WEIGHT)

SPECIFIC GRAVITY (WATER = 1)

EVAPORATION RATE (BUTYL ACETATE = 1)

Negligible

0

1.15-1.18

NA

(III - FIRE AND EXPLOSION HAZARD DATA)

FLASH POINT

AUTO IGNITION TEMPERATURE

LOWER EXPLOSION LIMIT (%)

UPPER EXPLOSION LIMIT (%)

NA

482C /900F

NA

NA

EXTINGUISHING MEDIA

☐ FOAM ☐ "ALCOHOL" FOAM ☒ CO₂ ☒ DRY CHEMICAL ☒ WATER FOG ☐ OTHER

SPECIAL FIRE FIGHTING PROCEDURES

Wear MSHA/NIOSH approved, pressure demand, self-contained breathing apparatus or equivalent.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Burns vigorously with intense heat.

(IV - HEALTH HAZARD DATA)

RECOMMENDED ROHM AND HAAS HEALTH GUIDE TWA (MAXIMUM TIME-WEIGHTED-AVERAGE CONCENTRATION FOR AN 8-HOUR WORK PERIOD)

Acrylic monomer - 50 ppm measured as MMA

EFFECTS OF OVEREXPOSURE

This material is a solid polymer in pellet form and is not considered a hazardous material in normal storage and handling. However, low levels of monomers may be generated when the polymer is heated during processing. In addition, polymer dust particles may be generated from sawing and machining operations.

Following are brief comments on the possible effects of overexposure to monomer vapors and polymer dust. More complete information is included in Rohm and Haas bulletin PL1003C, which is available on request and which users are urged to obtain and study before processing this product. SEE SECTION X.

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Move subject to fresh air.

Eye and Skin Contact: Flush eyes with water to remove polymer dust particles. Wash affected skin areas with soap and water.

BOE-C6-0209390

V - REACTIVITY DATA

STABILITY		CONDITIONS TO AVOID	
<input checked="" type="checkbox"/> STABLE	<input type="checkbox"/> UNSTABLE	NA	
HAZARDOUS DECOMPOSITION PRODUCTS			
Thermal decomposition may yield acrylic monomers.			
HAZARDOUS POLYMERIZATION		CONDITIONS TO AVOID	
<input type="checkbox"/> MAY OCCUR	<input checked="" type="checkbox"/> WILL NOT OCCUR	NA	
INCOMPATIBILITY (MATERIALS TO AVOID)			
<input type="checkbox"/> WATER	<input type="checkbox"/> OTHER	None	

VI - SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Sweep up carefully to prevent slipping on polymer pellets.

WASTE DISPOSAL METHODS

Discard with normal trash or landfill according to current local, state and federal regulations.

VII - SPECIAL PROTECTION INFORMATION

VENTILATION TYPE Normal room ventilation is adequate for storage and handling. If overheating occurs during processing, exhaust ventilation should be provided (See Section IV).

RESPIRATORY PROTECTION

None required for normal operations.

PROTECTIVE GLOVES

Cotton or canvas

EYE PROTECTION

Safety glasses with side shields (ANSI Z87.1, 1979)

OTHER PROTECTIVE EQUIPMENT

Eyewash facility

VIII - STORAGE AND LABELING**STORAGE TEMPERATURE**

MAX. MIN.

INDOOR

YES

HEATED

NO

REFRIGERATED

NO

OUTDOOR

YES

Store at ambient temperatures.

IX - TOXICITY INFORMATION**X - MISCELLANEOUS INFORMATION**

When processing the material, local and/or general room exhaust ventilation may be required to meet ACGIH 100 ppm TLV or the Rohm and Haas recommended TWA of 50 ppm for methyl methacrylate.

Inhalation: Monomer vapors may cause irritation, nausea, headache and dizziness. Polymer dust particles may irritate the upper respiratory tract after prolonged or repeated exposure.

Eye Contact: Monomer vapors and polymer dust particles may irritate the eyes.

Skin Contact: Polymer dust particles may irritate the skin on prolonged or repeated contact.

PLEXIGLAS® IS A TRADEMARK OF ROHM AND HAAS COMPANY OR ONE OF ITS SUBSIDIARIES OR AFFILIATES.

NA = NOT APPLICABLE
C = CEILING VALUE**KEY**

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SUPERSEDES

03/79

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIRD PERSON PROXIMATELY CAUSED BY THE MATERIAL IF REASONABLE SAFETY

PROCEDURES ARE NOT ADHERED TO AS STIPULATED IN THE DATA SHEET. ADDITIONALLY, VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIRD PERSONS PROXIMATELY CAUSED BY ABNORMAL USE OF THE MATERIAL EVEN IF REASONABLE SAFETY PROCEDURES ARE FOLLOWED. FURTHERMORE, VENDEE ASSUMES THE RISK IN HIS USE OF THE MATERIAL.